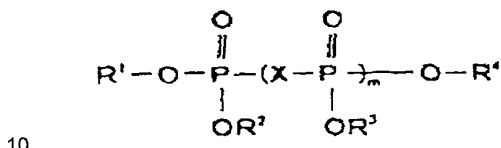


CLAIMS

What is claimed is:

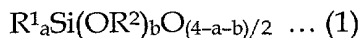
1. A polycarbonate-based nonflammable resin composition, characterized by containing:

- 5 a. a polycarbonate-based resin (A-1);
- b. a phosphoric ester (B) expressed by the following formula:



where R¹, R², R³, and R⁴ are each independently a C₁ to C₃₀ hydrocarbon; X is a C₁ to C₃₀ divalent organic group that may contain an oxygen atom and/or a nitrogen atom; and m is an integer from 0 to 5);

- c. an alkoxy group-containing organopolysiloxane (C) expressed by
- 15 the following average compositional formula:



where R¹ is a substituted or unsubstituted univalent hydrocarbon group containing an aryl group as an essential component; R² is a substituted or unsubstituted univalent hydrocarbon group; R¹ and R² may be the same as or

20 different from each other; 0.2 ≤ a ≤ 2.7; 0.2 ≤ b ≤ 2.4; and a + b < 3,

wherein

said phosphoric ester (B) being contained in an amount of 0.5 to 20 weight parts and said alkoxy group-containing organopolysiloxane (C) in an amount of 0.05 to 20 weight parts per 100 weight parts of the polycarbonate-

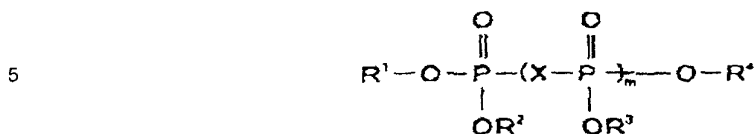
25 based resin (A-1).

2. A polycarbonate-based nonflammable resin composition, characterized by containing:

- a. a polycarbonate-based resin (A-1);

b. a thermoplastic resin (A-2) other than a polycarbonate-based resin;

c. a phosphoric ester expressed by the following formula:



where R¹, R², R³, and R⁴ are each independently a C₁ to C₃₀ hydrocarbon; X is a C₁ to C₃₀ divalent organic group that may contain an oxygen atom and/or a nitrogen atom; and m is an integer from 0 to 5; and

d. an alkoxy group-containing organopolysiloxane (C) expressed by the following average compositional formula:

$$\text{R}^1_a\text{Si}(\text{OR}^2)_b\text{O}_{(4-a-b)/2} \dots (1)$$

where R¹ is a substituted or unsubstituted univalent hydrocarbon group containing an aryl group as an essential component; R² is a substituted or unsubstituted univalent hydrocarbon group; R¹ and R² may be the same as or different from each other; 0.2 ≤ a ≤ 2.7; 0.2 ≤ b ≤ 2.4; and a + b < 3,

wherein

said phosphoric ester (B) being contained in an amount of 0.5 to 20 weight parts and said alkoxy group-containing organopolysiloxane (C) in an amount of 0.05 to 20 weight parts per combined 100 weight parts of the polycarbonate-based resin (A-1) and the thermoplastic resin other than a polycarbonate-based resin (A-2).

3. A polycarbonate-based nonflammable resin composition as defined in Claim 1 or 2, characterized in that the phosphoric ester is bisphenol A-tetraphenyl diphosphate (BPADP) or bisphenol A tetracresyl diphosphate.

4. A polycarbonate-based nonflammable resin composition as defined in Claim 1 or 2, wherein the weight average molecular weight of the alkoxy group-containing organopolysiloxane (C) is between 300 and 6000.
5. A polycarbonate-based nonflammable resin composition as defined in any of Claims 1 to 4, characterized in that the alkoxy group-containing organopolysiloxane (C) includes a branched structure.
6. A polycarbonate-based nonflammable resin composition as defined in any of Claims 1 to 5, characterized in that the alkoxy group-containing organopolysiloxane (C) contains substantially no silanol groups (SiOH).
7. A polycarbonate-based nonflammable resin composition as defined in any of Claims 1 to 6, characterized in that R¹ of the alkoxy group-containing organopolysiloxane (C) is a methyl group, ethyl group, or phenyl group, and the phenyl group content is at least 20%.
8. A polycarbonate-based nonflammable resin composition as defined in any of Claims 1 to 7, characterized in that R² of the alkoxy group-containing organopolysiloxane (C) is a methyl group or ethyl group.
9. A polycarbonate-based nonflammable resin composition as defined in Claim 2, characterized in that the thermoplastic resin (A-2) is one or more types of resin selected from the group consisting of:
- polymers including as a structural component (a) an aromatic vinyl monomer component;
- copolymers including as structural components (a) an aromatic vinyl monomer component and (b) a vinyl cyanide monomer component;

copolymers including as structural components (a) an aromatic vinyl monomer component, (b) a vinyl cyanide monomer component, and (c) a rubber-like polymer;

aromatic polyesters;

5 polyphenylene ethers;

polyether imides; and

polyphenylene sulfides.

10 10. A polycarbonate-based nonflammable resin composition as defined in Claim 9, characterized in that the thermoplastic resin (A-2) is one or more types of resin selected from the group consisting of ABS resins, AES resins, ACS resins, AAS resins, and polystyrene resins.

15 11. A polycarbonate-based nonflammable resin composition as defined in any of Claims 1 to 10, characterized by further containing (D) an anti-drip agent in an amount of 0.01 to 10 weight parts per 100 weight parts of the polycarbonate-based resin (A-1) or per combined 100 weight parts of the polycarbonate-based resin (A-1) and the thermoplastic resin (A-2).

20 12. The polycarbonate-based nonflammable resin composition as defined in Claim 11, characterized in that the anti-drip agent is polytetrafluoroethylene (PTFE).

25 13. A polycarbonate-based nonflammable resin composition as defined in any of Claims 1 to 12, characterized by further containing (E) an alkali (alkaline earth) metal salt of a perfluoroalkanesulfonic acid in an amount of 0.01 to 3 weight parts per 100 weight parts of the polycarbonate-based resin (A-1) or per combined 100 weight parts of the polycarbonate-based resin (A-1) and the thermoplastic resin (A-2).

14. A polycarbonate-based nonflammable resin composition as defined in any of Claims 1 to 13, characterized by further containing (F) an epoxy-based stabilizer in an amount of 0.01 to 5 weight parts per 100 weight parts of the polycarbonate-based resin (A-1) or per combined 100 weight parts of the polycarbonate-based resin (A-1) and the thermoplastic resin (A-2).
5
15. A polycarbonate-based nonflammable resin composition as defined in Claim 14, characterized in that the epoxy-based stabilizer (F) is 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate or bis-(3,4-epoxycyclohexyl) adipate.
10
16. An electrical or electronic device part formed from a nonflammable resin composition as defined in any of Claims 1 to 15.
17. A molded article composed of a nonflammable resin composition as defined in any of Claims 1 to 15.
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